(970)372-9373
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http://troy.sisson.dev

Troy Sisson
Data Scientist

Adaptable data scientist/bioinformatician specializing in biomedical applications with experience designing practical solutions to problems involving diverse, high-volume data. Proven ability to learn and apply new technologies and skills efficiently, both independently and in team environments.

Experience

Colorado Clinic – Greeley, CO
Toxicology Lab Technician (July 2022 – Sept 2022)
- Efficiently accessioned and conducted DOA screens on backlogged clinical samples to ensure approximately 200 patients received timely physician approval for prescription orders and refills
- Assisted in LCMS troubleshooting and confirmation analysis by preparing detection compounds and aiding machine maintenance

UCLA School of Dentistry – Dr. Lux Lab
Research Associate (July 2019 – July 2021)
- Analyzed the effect of resveratrol nanoparticles on the oral microbiome of mice by processing the V1-V3 region of 16s rRNA gene with QIIME2
- Performed inoculation, extraction, and analysis of bacterial isolates with PCR and gel electrophoresis

Education

University of California, Los Angeles
Master of Science, Data Science in Biomedicine (Expected 2024)
Part-time, Online Program
Bachelor of Science, Biochemistry (2022)
Department of Biochemistry Highest Honors

Skills

Languages & Frameworks
Advanced knowledge
Python – R – SQL – JavaScript

Basic Knowledge
C++ – Node.js – React and Next.js – HTML – CSS – C – Bash – Jupyter Notebook

General
Advanced data structures and algorithms – git – CI/CD – Basic AWS – Database fundamentals – TensorFlow – REST API Development – QIIME2 – MS Excel – Matplotlib

Recent Projects
Personal website (React + Node.js)
https://github.com/tasisso/website

BIGDOC Presentation
Dr. Lux Lab Team Project
https://docs.google.com/presentation